

ABSTRACT OF THE DISCLOSURE

A process of producing a polymer optical waveguide, including (a) a step of forming an undercladding layer on a substrate; (b) a step of forming a photosensitive resin composition layer containing a 1,4-dihydropyridine derivative and a resin on the undercladding layer; (c) a step of irradiating a region of the photosensitive resin composition layer corresponding to a core pattern with UV light through a mask to form UV light-exposed areas and UV light-unexposed areas on the photosensitive resin composition layer; (d) a step of heating the UV light-exposed areas and UV light-unexposed areas of the photosensitive resin composition layer; and (e) a step of forming an overcladding layer on the photosensitive resin composition layer after heating.